



PATENT ABSTRACTS OF JAPAN

(11) Publication number: **2002357225 A**(43) Date of publication of application: **13.12.02**

(51) Int. Cl.
F16C 33/66
F16C 33/32
F16C 33/38
F16C 33/58

(21) Application number: **2001165621**(71) Applicant: **NSK LTD**(22) Date of filing: **31.05.01**(72) Inventor: **SAITO TAKESHI**

(54) ROLLING BEARING

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a rolling bearing having a least dust generating amount and a low outgassing capability under a clean environment and vacuum environment and having superior durability under high surface pressure.

SOLUTION: In a ball bearing comprising an inner ring 1, an outer ring 2, and a plurality of balls 3 arranged in a freely rolling state between the inner ring 1 and outer ring 2, at least one of a raceway surface of the inner ring 1, a raceway surface of the outer ring 2, and a rolling surface of the balls 3 is coated by a lubricating film 6 containing fluorine polymer having a functional group and perfluoropolyether (PFPE).

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